Patent Claims

1. A method for linear guiding a movement of limited extent in a preselected direction of a device (1) that is operating in the imaging beam of a camera with respect to a reference system (BS), characterized in that the device (1) is driven in said direction (Rsoll) by at least a component (FAx) of drive and whereby the exclusiveness of the movement in said direction is ensured by a bending connection (5, 7) of the device (1) to the reference system (BS), said bending being performed about swiveling axes (5a-5c), which are parallel to each other and perpendicular to said preselected direction (RsoLL)

2. A method according to claim 1 to guide the movement in two preset directions (x, y), which are at an angle to one another, preferably perpendicular superposed to the preset directions (x, y), characterized in that the device is moved in one plane (E) parallel to the two directions (x, y) and whereby it is ensured through two bending connections (17y, 17,x) of the device to the reference system (11), which bending swiveling axes (15) lie each parallel to one of said direction, that the movement is created exclusively by two independent and controllable drive components in one of the directions.

3. An application of the method according to claims 1 or 2 in a digital camera, preferably a digital camera.

4. An application according to claim 3 for linear guidance of an optical transmitter (optoelectric transducer) array in the imaging beam, preferably a CCD or CMOS image sensor array.

5. An application according to claim 4 for movement of the transducer array in the multishot technology.

6. An arrangement for guidance of a movement of a device (1) operating in the imaging beam of a camera relative to a reference system (11) in the camera, characterized in that is comprises a coupling arrangement (23, 25) for a drive between the reference system (11) and the device (1, 1 a), a level movement guide for the device, a hinge connection (I 7y, 17,) to the device (1, 1 a) that has at least three swiveling axes (15 a 15,), which are spaced apart and parallel to one another, and which lie parallel to said plane (E).

7. An arrangement according to claim 6, wherein two of the hinge connections (17Y, 17,t) are provided for the device (1, la) and whereby the swiveling axes lie at an angle, preferably perpendicular to one another.

8. An arrangement according to one of the claims 6 or 7, wherein at least one part of hinges of the hinge connections are designed as thin-layer hinges or film hinges.

9. An arrangement according to one of the claims 6 through 8, wherein the coupling arrangement has at least one pantograph arrangement (21).

10. An arrangement according to one of the claims 6 through 9, wherein the coupling arrangement has two pantograph arrangements operating at the plane (E) perpendicular to one another.

11. An arrangement according to one of the claims 6 through 10 having a movement drive whereby said movement drive has at least one piezo element.

12. An arrangement according to one of the claims 6 through 11, wherein said arrangement has at least one piezo-drive element, which is operationally connected via a pantograph arrangement to said device.

13. An arrangement according to one of the claims 6 through 12, wherein said arrangement is designed in a modular manner, preferably in one piece.

14. A digital camera having an arrangement according to one of the claims 6 through 13, characterized in that said device is a matrix optical transmitter (opto-electric transducer), preferably a CCD or CMOS image sensor matrix.